

TABLE 2
LABORATORY ANALYTICAL RESULTS FOR PAH - VALIDATED

Analyte	MLF-AA-L01-01-010623	MLF-AA-L01-01-010623-DUP	MLF-AA-L01-02-10623	MLF-AA-L01-03-010623
PAH ($\mu\text{g}/\text{m}^3$)				
Acenaphthene	7.6 U	7.6 U	8.4 U	6.5 U
Acenaphthylene	7.6 U	7.6 U	8.4 U	6.5 U
Anthracene	1.5 U	1.5 U	1.7 U	1.3 U
Benz(a)anthracene	1.5 U	1.5 U	1.7 U	1.3 U
Benzo(a)pyrene	1.5 U	1.5 U	1.7 U	1.3 U
Benzo(b)fluoranthene	1.8	1.5 U	1.7 U	1.3 U
Benzo(ghi)perylene	1.5 U	1.5 U	1.7 U	1.3 U
Benzo(k)fluoranthene	1.5 U	1.5 U	1.7 U	1.3 U
Chrysene	1.5 U	1.5 U	1.7 U	1.3 U
Dibenz(a,h)anthracene	1.5 U	1.5 U	1.7 U	1.3 U
Fluoranthene	7.6 U	7.6 U	8.4 U	6.5 U
Fluorene	7.6 U	7.6 U	8.4 U	6.5 U
Indeno(1,2,3-cd)pyrene	1.5 U	1.5 U	1.7 U	1.3 U
Naphthalene	7.6 U	7.6 U	8.4 U	6.5 U
Phenanthrene	1.5 U	1.5 U	1.7 U	1.3 U
Pyrene	4.6	3.7	4.6	1.4

TABLE 2
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Analyte	MLF-AA-L02-01-010623	MLF-AA-L02-02-10623	MLF-AA-L02-03-010623
PAH (µg/m³)			
Acenaphthene	8.7 U	7.7 U	8.0 U
Acenaphthylene	8.7 U	7.7 U	8.0 U
Anthracene	1.7 U	1.5 U	1.6 U
Benz(a)anthracene	1.7 U	1.5 U	1.6 U
Benzo(a)pyrene	1.7 U	1.5 U	1.6 U
Benzo(b)fluoranthene	8.9	5.3	2.5
Benzo(ghi)perylene	1.7 U	1.5 U	1.6 U
Benzo(k)fluoranthene	1.7 U	1.5 U	1.6 U
Chrysene	1.7 U	1.5 U	3.9
Dibenz(a,h)anthracene	1.7 U	1.5 U	1.6 U
Fluoranthene	8.7 U	7.7 U	8.0 U
Fluorene	8.7 U	7.7 U	8.0 U
Indeno(1,2,3-cd)pyrene	1.7 U	1.5 U	1.6 U
Naphthalene	8.7 U	7.7 U	8.0 U
Phenanthrene	7.2	5.4	1.6 U
Pyrene	10.9	10.2	4.7

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Analyte	MLF-AA-L03-01-010623	MLF-AA-L03-02-10623	MLF-AA-L03-03-010623
PAH (µg/m³)			
Acenaphthene	8.6 U	7.8 U	8.1 U
Acenaphthylene	8.6 U	7.8 U	8.1 U
Anthracene	1.7 U	1.6 U	1.6 U
Benz(a)anthracene	1.7 U	1.6 U	1.6 U
Benzo(a)pyrene	1.7 U	1.6 U	1.6 U
Benzo(b)fluoranthene	1.7 U	1.6 U	1.6 U
Benzo(ghi)perylene	1.7 U	1.6 U	1.6 U
Benzo(k)fluoranthene	1.7 U	1.6 U	1.6 U
Chrysene	1.7 U	1.6 U	1.6 U
Dibenz(a,h)anthracene	1.7 U	1.6 U	1.6 U
Fluoranthene	8.6 U	7.8 U	8.1 U
Fluorene	8.6 U	7.8 U	8.1 U
Indeno(1,2,3-cd)pyrene	1.7 U	1.6 U	1.6 U
Naphthalene	8.6 U	7.8 U	8.1 U
Phenanthrene	1.7 U	1.6 U	1.6 U
Pyrene	1.7 U	1.6 U	1.6 U

TABLE 2
LABORATORY ANALYTICAL RESULTS FOR PAH - VALIDATED

Analyte	MLF-AA-L04-01-010623	MLF-AA-L04-02-10623	MLF-AA-L04-03-010623
PAH ($\mu\text{g}/\text{m}^3$)			
Acenaphthene	9.6 U	7.7 U	7.7 U
Acenaphthylene	9.6 U	7.7 U	7.7 U
Anthracene	1.9 U	1.5 U	1.5 U
Benz(a)anthracene	1.9 U	1.5 U	1.5 U
Benzo(a)pyrene	1.9 U	1.5 U	1.5 U
Benzo(b)fluoranthene	1.9 U	1.5 U	1.5 U
Benzo(ghi)perylene	1.9 U	1.5 U	1.5 U
Benzo(k)fluoranthene	1.9 U	1.5 U	1.5 U
Chrysene	1.9 U	1.5 U	1.5 U
Dibenz(a,h)anthracene	1.9 U	1.5 U	1.5 U
Fluoranthene	9.6 U	7.7 U	7.7 U
Fluorene	9.6 U	7.7 U	7.7 U
Indeno(1,2,3-cd)pyrene	1.9 U	1.5 U	1.5 U
Naphthalene	9.6 U	7.7 U	7.7 U
Phenanthrene	1.9 U	1.5 U	1.5 U
Pyrene	1.9 U	1.5 U	1.5 U

TABLE 2
LABORATORY ANALYTICAL RESULTS FOR PAH - VALIDATED

Notes:

BOLD Indicates analyte was positively identified at the associated value.

AA: Area air sample

DUP: Duplicate

L##: Sample location

MLF: Moody Landfill Fire

mmddyy: month, day, year

PAH: Polynuclear aromatic hydrocarbon

U: The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).

µg/m³: Microgram per cubic meter

TABLE 2
LABORATORY ANALYTICAL RESULTS FOR VOC - VALIDATED

Notes:

BOLD Indicates analyte was positively identified at the associated value.

DUP: Duplicate

J: The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.

J+: The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.

L##: Sample location

MLF: Moody Landfill Fire

mmddyy: month, day, year

NA: Not analyzed

SCA: Summa canister air sample

SSCA: Small Summa canister air sample (15-minute)

U: The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).

UJ: The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

µg/m³: Microgram per cubic meter

VOC: Volatile organic compounds

TABLE 3
LABORATORY ANALYTICAL RESULTS FOR VOC - VALIDATED

ANALYTE	MLF-SCA-L01-01-010623	MLF-SCA-L01-02-010623	MLF-SCA-L01-02-010623-DUP	MLF-SCA-L01-03-010723
VOCs ($\mu\text{g}/\text{m}^3$)				
1,1,1,2-Tetrachloroethane	0.676 U	NA	NA	NA
1,1,1-Trichloroethane	0.538 U	3.4 U	3.4 U	3.8 U
1,1,2,2-Tetrachloroethane	0.678 U	4.3 U	4.2 U	4.8 U
1,1,2-Trichloroethane	0.542 U	3.4 U	3.4 U	3.8 U
1,1-Dichloroethane	0.393 U	2.6 U	2.5 U	2.8 U
1,1-Dichloroethene	0.390 U	2.5 U	2.4 U	2.8 U
1,2,4-Trichlorobenzene	0.722 U	19 U	18 U	21 U
1,2,4-Trimethylbenzene	1.52	6.6	6.7	7.0
1,2-Dibromoethane	0.768 U	4.8 U	4.8 U	5.3 U
1,2-Dichlorobenzene	0.595 U	3.8 U	3.7 U	4.2 U
1,2-Dichloroethane	0.407 U	2.5 U	2.5 U	2.8 U
1,2-Dichloropropane	0.455 U	2.9 U	2.9 U	3.2 U
1,3,5-Trimethylbenzene	0.706	3.1 U	3.0 U	3.4 U
1,3-Butadiene	10.1	8.2	8.8	9.6
1,3-Dichlorobenzene	0.597 U	3.8 U	3.7 U	4.2 U
1,4-Dichlorobenzene	0.590 U	3.8 U	3.7 U	4.2 U
1,4-Dioxane	0.353 U	9.1 U	8.9 U	10 U
1-Bromopropane	0.488 U	NA	NA	NA
1-Octene	0.443 U	NA	NA	NA
2,2,4-Trimethylpentane	0.472 U	2.9 U	2.9 U	3.2 U
2-Chlorotoluene	0.510 U	NA	NA	NA
2-Hexanone (Methyl butyl ketone)	3.44	10 U	10 U	11 U
4-Ethyltoluene	1.13	9.4	10	11
Acetone	575	240	260	320
Acetonitrile	138	NA	NA	NA
Acrolein	8.17	NA	NA	NA
Acrylonitrile	1.70	NA	NA	NA
Allyl chloride (3-chloropropene)	0.330 U	7.9 U	7.8 U	8.7 U
Benzene	268	180	190	200
Benzyl chloride	0.509 U	3.3 U	3.2 U	3.6 U
Bromodichloromethane	0.661 U	4.2 U	4.2 U	4.6 U
Bromoethene (Vinyl bromide)	0.418 U	NA	NA	NA
Bromoform	1.01 U	6.5 U	6.4 U	7.2 U
Bromomethane	0.372 U	24 U	24 U	27 U
Carbon disulfide	1.07	7.8 U	7.7 U	8.6 U
Carbon tetrachloride	0.619 U	4.0 U	3.9 U	4.4 U
Chlorobenzene	0.463 U	2.9 U	2.8 U	3.2 U
Chloroethane	0.262 U	6.6 U	6.5 U	7.3 U

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LABORATORY ANALYTICAL RESULTS FOR VOC - VALIDATED

ANALYTE	MLF-SCA-L01-01-010623	MLF-SCA-L01-02-010623	MLF-SCA-L01-02-010623-DUP	MLF-SCA-L01-03-010723
VOCs ($\mu\text{g}/\text{m}^3$)				
Chloroform	0.479 U	3.1 U	3.0 U	3.4 U
Chloromethane	14.4	13 U	13 U	14 U
cis-1,2-Dichloroethene	0.391 U	2.5 U	2.4 U	2.8 U
cis-1,3-Dichloropropene	0.440 U	2.8 U	2.8 U	3.2 U
Cyclohexane	2.58	0.54 J	0.97 J	0.77 J
Dibromochloromethane	0.839 U	5.4 U	5.3 U	5.9 U
Ethanol	23.6	13	18	19
Ethyl acetate	10.9	NA	NA	NA
Ethylbenzene	12.5	19	20	21
Freon 11 (CCl3F)	1.09	1.0 J	1.0 J	0.99 J
Freon 113 (C2Cl3F3)	0.760 U	4.8 U	4.8 U	5.3 U
Freon 114 (C2Cl2F4)	6.84 U	4.4 U	4.3 U	4.8 U
Freon 12 (CCl2F2)	1.99	2.1 J	2.3 J	2.2 J
Heptane	11.6	8.4	9.2	10
Hexachlorobutadiene	1.03 U	27 U	26 U	30 U
Hexane	15.6	8.7	9.8	10
Isopropyl alcohol	17.2	7.0	7.8	9.2
Isopropylbenzene	1.25	3.4	3.2	3.0 J
m-/p-Xylenes	21.6	34	34	38
Methyl ethyl ketone (2-Butanone)	183	85	93	110
Methyl isobutyl ketone	2.37	2.6 U	1.6 J	1.7 J
Methyl methacrylate	1.22	NA	NA	NA
Methyl tert-butyl ether	0.362 U	9.1 U	8.9 U	10 U
Methylene chloride	0.616	22 U	22 U	24 U
Naphthalene	3.07	NA	NA	NA
n-Octane	4.52	NA	NA	NA
n-Propylbenzene	0.920	NA	NA	NA
o-Xylene	6.22	11	12	14
Propylene	426	2.6 J	2.7 J	2.7 J
Styrene	1.96	5.8	6.1	6.1
Tetrachloroethene	0.678 U	4.3 U	4.2 U	4.7 U
Tetrahydrofuran	71.3	34	35	39
Toluene	139	110	120	130
trans-1,2-Dichloroethene	0.395 U	2.5 U	2.4 U	2.8 U
trans-1,3-Dichloropropene	0.458 U	2.8 U	2.8 U	3.2 U
Trichloroethene	0.531 U	3.4 UJ	36 J	3.7 U
Vinyl acetate	0.329 J	NA	NA	NA
Vinyl chloride	0.250 U	1.6 U	1.6 U	1.8 U

TABLE 3
LABORATORY ANALYTICAL RESULTS FOR VOC - VALIDATED

ANALYTE	MLF-SCA-L02-01-010623	MLF-SCA-L02-02-010623	MLF-SCA-L02-03-010723
VOCs ($\mu\text{g}/\text{m}^3$)			
1,1,1,2-Tetrachloroethane	0.732 U	NA	NA
1,1,1-Trichloroethane	0.583 U	3.8 U	3.8 U
1,1,2,2-Tetrachloroethane	0.734 U	4.8 U	4.8 U
1,1,2-Trichloroethane	1.17	3.8 U	3.8 U
1,1-Dichloroethane	0.425 U	2.8 U	2.8 U
1,1-Dichloroethene	0.422 U	2.8 U	2.8 U
1,2,4-Trichlorobenzene	0.782 U	21 U	21 U
1,2,4-Trimethylbenzene	9.79	13	9.2
1,2-Dibromoethane	0.832 U	5.3 U	5.3 U
1,2-Dichlorobenzene	0.644 U	4.2 U	4.2 U
1,2-Dichloroethane	0.441 U	2.8 U	2.8 U
1,2-Dichloropropane	0.439 J	3.2 U	3.2 U
1,3,5-Trimethylbenzene	4.08	6.0 J+	4.3 J+
1,3-Butadiene	12.9	14	13
1,3-Dichlorobenzene	0.646 U	4.2 U	4.2 U
1,4-Dichlorobenzene	0.639 U	4.2 U	4.2 U
1,4-Dioxane	0.382 U	0.71 J	10 U
1-Bromopropane	0.528 U	NA	NA
1-Octene	0.479 U	NA	NA
2,2,4-Trimethylpentane	3.80	3.2 U	3.9
2-Chlorotoluene	0.659	NA	NA
2-Hexanone (Methyl butyl ketone)	2.14	11 U	11 U
4-Ethyltoluene	5.13	19	13
Acetone	314	320	240
Acetonitrile	59.3	NA	NA
Acrolein	15.0	NA	NA
Acrylonitrile	3.07	NA	NA
Allyl chloride (3-chloropropene)	0.358 U	8.7 U	8.7 U
Benzene	236	260	200
Benzyl chloride	0.551 U	3.6 U	3.6 U
Bromodichloromethane	0.716 U	4.6 U	4.6 U
Bromoethene (Vinyl bromide)	0.453 U	NA	NA
Bromoform	1.10 U	7.2 U	7.2 U
Bromomethane	0.600	27 U	27 U
Carbon disulfide	1.13	8.6 U	8.6 U
Carbon tetrachloride	0.670 U	4.4 U	4.4 U
Chlorobenzene	0.502 U	0.63 J	0.55 J
Chloroethane	0.491	7.3 U	7.3 U

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ANALYTE	MLF-SCA-L02-01-010623	MLF-SCA-L02-02-010623	MLF-SCA-L02-03-010723
VOCs ($\mu\text{g}/\text{m}^3$)			
Chloroform	0.518 U	3.4 U	3.4 U
Chloromethane	38.3	14 U	14 U
cis-1,2-Dichloroethene	0.424 U	2.8 U	2.8 U
cis-1,3-Dichloropropene	0.477 U	3.2 U	3.2 U
Cyclohexane	6.15	1.7 J	1.2 J
Dibromochloromethane	0.909 U	5.9 U	5.9 U
Ethanol	26.7	17	13 J
Ethyl acetate	5.41	NA	NA
Ethylbenzene	31.1	42	32
Freon 11 (CCl ₃ F)	1.38	1.1 J	1.2 J
Freon 113 (C ₂ Cl ₃ F ₃)	0.823 U	5.3 U	5.3 U
Freon 114 (C ₂ Cl ₂ F ₄)	7.41 U	4.8 U	4.8 U
Freon 12 (CCl ₂ F ₂)	2.08	2.4 J	2.2 J
Heptane	19.2	17	12
Hexachlorobutadiene	1.11 U	30 U	30 U
Hexane	21.4	22	16
Isopropyl alcohol	6.52	8.1	5.6 J
Isopropylbenzene	7.00	8.4	6.1
m-/p-Xylenes	50.4	63	44
Methyl ethyl ketone (2-Butanone)	86.2	100	76
Methyl isobutyl ketone	1.65	2.1 J	1.9 J
Methyl methacrylate	2.88	NA	NA
Methyl tert-butyl ether	0.392 U	10 U	10 U
Methylene chloride	0.609	24 U	24 U
Naphthalene	7.01	NA	NA
n-Octane	9.82	NA	NA
n-Propylbenzene	3.73	NA	NA
o-Xylene	16.5	22	16
Propylene	356	4.6	3.7
Styrene	11.3	15	15
Tetrachloroethene	0.965	4.7 U	4.7 U
Tetrahydrofuran	43.6	56	36
Toluene	161	190	130
trans-1,2-Dichloroethene	0.428 U	2.8 U	2.8 U
trans-1,3-Dichloropropene	0.496 U	3.2 U	3.2 U
Trichloroethene	0.575 U	3.7 U	38
Vinyl acetate	0.332 J	NA	NA
Vinyl chloride	0.270 U	1.8 U	1.8 U

TABLE 3
LABORATORY ANALYTICAL RESULTS FOR VOC - VALIDATED

ANALYTE	MLF-SCA-L03-01-010623	MLF-SCA-L03-02-010623	MLF-SCA-L03-03-010723
VOCs ($\mu\text{g}/\text{m}^3$)			
1,1,1,2-Tetrachloroethane	0.749 U	NA	NA
1,1,1-Trichloroethane	0.597 U	3.4 U	3.7 U
1,1,2,2-Tetrachloroethane	0.751 U	4.2 U	4.7 U
1,1,2-Trichloroethane	0.601 U	3.4 U	3.7 U
1,1-Dichloroethane	0.435 U	2.5 U	2.8 U
1,1-Dichloroethene	0.432 U	2.4 U	2.7 U
1,2,4-Trichlorobenzene	0.800 U	18 U	20 U
1,2,4-Trimethylbenzene	2.22	3.3	1.7 J
1,2-Dibromoethane	0.851 U	4.8 U	5.2 U
1,2-Dichlorobenzene	0.659 U	3.7 U	4.1 U
1,2-Dichloroethane	0.451 U	2.5 U	2.8 U
1,2-Dichloropropane	0.504 U	2.9 U	3.1 U
1,3,5-Trimethylbenzene	1.02	3.0 U	3.3 U
1,3-Butadiene	2.58	4.0	1.8
1,3-Dichlorobenzene	0.661 U	3.7 U	4.1 U
1,4-Dichlorobenzene	0.654 U	3.7 U	4.1 U
1,4-Dioxane	0.391 U	8.9 U	9.8 U
1-Bromopropane	0.540 U	NA	NA
1-Octene	0.490 U	NA	NA
2,2,4-Trimethylpentane	0.587	2.9 U	3.2 U
2-Chlorotoluene	0.566 U	NA	NA
2-Hexanone (Methyl butyl ketone)	0.726	10 U	11 U
4-Ethyltoluene	1.32	4.5	2.3 J
Acetone	98.8	100	43
Acetonitrile	16.4	NA	NA
Acrolein	1.56	NA	NA
Acrylonitrile	0.379	NA	NA
Allyl chloride (3-chloropropene)	0.366 U	7.8 U	8.5 U
Benzene	71.0	91	40
Benzyl chloride	0.564 U	3.2 U	3.5 U
Bromodichloromethane	0.733 U	4.2 U	4.6 U
Bromoethene (Vinyl bromide)	0.463 U	NA	NA
Bromoform	1.12 U	6.4 U	7.0 U
Bromomethane	0.412 U	24 U	26 U
Carbon disulfide	0.363	7.7 U	8.5 U
Carbon tetrachloride	0.686 U	3.9 U	4.3 U
Chlorobenzene	0.513 U	0.53 J	3.1 U
Chloroethane	0.290 U	6.5 U	7.2 U

TABLE 3
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ANALYTE	MLF-SCA-L03-01-010623	MLF-SCA-L03-02-010623	MLF-SCA-L03-03-010723
VOCs ($\mu\text{g}/\text{m}^3$)			
Chloroform	0.530 U	3.0 U	3.3 U
Chloromethane	7.20	13 U	14 U
cis-1,2-Dichloroethene	0.434 U	2.4 U	2.7 U
cis-1,3-Dichloropropene	0.488 U	2.8 U	3.1 U
Cyclohexane	1.24	0.49 J	2.3 U
Dibromochloromethane	0.930 U	5.3 U	5.8 U
Ethanol	12.3	9.7 J	5.7 J
Ethyl acetate	1.92	NA	NA
Ethylbenzene	9.42	14	6.4
Freon 11 (CCl3F)	1.58	1.2 J	1.0 J
Freon 113 (C2Cl3F3)	0.842 U	4.8 U	5.2 U
Freon 114 (C2Cl2F4)	7.58 U	4.3 U	4.8 U
Freon 12 (CCl2F2)	2.30	2.2 J	2.2 J
Heptane	4.69	5.0	2.2 J
Hexachlorobutadiene	1.14 U	26 U	29 U
Hexane	4.66	5.4	2.8
Isopropyl alcohol	15.2	2.6 J	6.7 U
Isopropylbenzene	2.32	3.9	1.5 J
m-/p-Xylenes	11.2	15	7.3
Methyl ethyl ketone (2-Butanone)	25.3	33	13
Methyl isobutyl ketone	0.769	2.5 U	2.8 U
Methyl methacrylate	0.670	NA	NA
Methyl tert-butyl ether	0.401 U	8.9 U	9.8 U
Methylene chloride	0.602	22 U	24 U
Naphthalene	1.77	NA	NA
n-Octane	2.31	NA	NA
n-Propylbenzene	0.979	NA	NA
o-Xylene	3.99	5.5	2.8 J
Propylene	74.8	1.5 J	0.59 J
Styrene	3.17	5.4	2.2 J
Tetrachloroethene	0.751 U	4.2 U	4.6 U
Tetrahydrofuran	11.1	15	5.8
Toluene	37.6	52	23
trans-1,2-Dichloroethene	0.438 U	2.4 U	2.7 U
trans-1,3-Dichloropropene	0.507 U	2.8 U	3.1 U
Trichloroethene	0.588 U	3.3 U	3.6 U
Vinyl acetate	0.390 U	NA	NA
Vinyl chloride	0.276 U	1.6 U	1.7 U

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ANALYTE	MLF-SCA-L04-01-010623	MLF-SCA-L04-02-010623	MLF-SCA-L04-03-010723	MLF-SSCA-L01-01-010723
VOCs ($\mu\text{g}/\text{m}^3$)				
1,1,1,2-Tetrachloroethane	0.727 U	NA	NA	NA
1,1,1-Trichloroethane	0.579 U	3.4 U	3.7 U	3.2 U
1,1,2,2-Tetrachloroethane	0.729 U	4.2 U	4.7 U	4.0 U
1,1,2-Trichloroethane	0.583 U	3.4 U	3.7 U	3.2 U
1,1-Dichloroethane	0.422 U	2.5 U	2.8 U	2.3 U
1,1-Dichloroethene	0.419 U	2.4 U	2.7 U	2.3 U
1,2,4-Trichlorobenzene	0.777 U	18 U	20 U	17 U
1,2,4-Trimethylbenzene	0.517 U	3.0 U	3.3 U	1.4 J
1,2-Dibromoethane	0.826 U	4.8 U	5.2 U	4.4 U
1,2-Dichlorobenzene	0.640 U	3.7 U	4.1 U	3.5 U
1,2-Dichloroethane	0.438 U	2.5 U	2.8 U	2.3 U
1,2-Dichloropropane	0.489 U	2.9 U	3.1 U	2.7 U
1,3,5-Trimethylbenzene	0.524 U	3.0 U	3.3 U	2.8 U
1,3-Butadiene	0.245	1.4 U	1.5 U	4.4
1,3-Dichlorobenzene	0.642 U	3.7 U	4.1 U	3.5 U
1,4-Dichlorobenzene	0.635 U	3.7 U	4.1 U	3.5 U
1,4-Dioxane	0.380 U	8.9 U	9.8 U	0.55 J
1-Bromopropane	0.524 U	NA	NA	NA
1-Octene	0.476 U	NA	NA	NA
2,2,4-Trimethylpentane	0.508 U	2.9 U	0.78 J	2.7 U
2-Chlorotoluene	0.549 U	NA	NA	NA
2-Hexanone (Methyl butyl ketone)	0.440 U	10 U	11 U	9.5 U
4-Ethyltoluene	0.525 U	3.0 U	3.3 U	1.9 J
Acetone	26.4	7.7 J	9.4 J	49
Acetonitrile	1.33	NA	NA	NA
Acrolein	0.340	NA	NA	NA
Acrylonitrile	0.232 U	NA	NA	NA
Allyl chloride (3-chloropropene)	0.355 U	7.8 U	8.5 U	7.3 U
Benzene	3.82	4.4	5.8	69
Benzyl chloride	0.547 U	3.2 U	3.5 U	3.0 U
Bromodichloromethane	0.711 U	4.2 U	4.6 U	3.9 U
Bromoethene (Vinyl bromide)	0.449 U	NA	NA	NA
Bromoform	1.09 U	6.4 U	7.0 U	6.0 U
Bromomethane	0.400 U	24 U	26 U	22 U
Carbon disulfide	3.08	7.7 U	8.5 U	7.2 U
Carbon tetrachloride	0.666 U	3.9 U	4.3 U	3.6 U
Chlorobenzene	0.498 U	2.8 U	3.1 U	0.71 J
Chloroethane	0.282 U	6.5 U	7.2 U	6.1 U

TABLE 3
LABORATORY ANALYTICAL RESULTS FOR VOC - VALIDATED

ANALYTE	MLF-SCA-L04-01-010623	MLF-SCA-L04-02-010623	MLF-SCA-L04-03-010723	MLF-SSCA-L01-01-010723
VOCs ($\mu\text{g}/\text{m}^3$)				
Chloroform	0.515 U	3.0 U	3.3 U	2.8 U
Chloromethane	1.62	13 U	14 U	12 U
cis-1,2-Dichloroethene	0.421 U	2.4 U	2.7 U	2.3 U
cis-1,3-Dichloropropene	0.474 U	2.8 U	3.1 U	2.6 U
Cyclohexane	0.473	2.1 U	0.58 J	2.0 U
Dibromochloromethane	0.902 U	5.3 U	5.8 U	4.9 U
Ethanol	4.99	12 U	8.1 J	5.1 J
Ethyl acetate	0.640	NA	NA	NA
Ethylbenzene	0.603	0.81 J	0.95 J	17
Freon 11 (CCl ₃ F)	1.37	0.99 J	1.1 J	3.2 U
Freon 113 (C ₂ Cl ₃ F ₃)	0.817 U	4.8 U	5.2 U	4.4 U
Freon 114 (C ₂ Cl ₂ F ₄)	7.36 U	4.3 U	4.8 U	4.0 U
Freon 12 (CCl ₂ F ₂)	2.02	2.2 J	2.3 J	1.6 J
Heptane	1.24	2.5 U	2.8 U	3.2
Hexachlorobutadiene	1.11 U	26 U	29 U	25 U
Hexane	0.831	2.2 U	3.0	3.4
Isopropyl alcohol	0.731	6.1 U	6.7 U	5.7 U
Isopropylbenzene	0.525 U	3.0 U	3.3 U	3.2
m-/p-Xylenes	1.38	1.3 J	2.2 J	6.6
Methyl ethyl ketone (2-Butanone)	2.26	1.8 J	1.6 J	13
Methyl isobutyl ketone	0.447 U	2.5 U	2.8 U	2.4 U
Methyl methacrylate	0.450 U	NA	NA	NA
Methyl tert-butyl ether	0.389 U	8.9 U	9.8 U	8.4 U
Methylene chloride	0.468	22 U	24 U	20 U
Naphthalene	0.555 U	NA	NA	NA
n-Octane	0.450 J	NA	NA	NA
n-Propylbenzene	0.530 U	NA	NA	NA
o-Xylene	0.475	0.61 J	0.72 J	2.9
Propylene	5.03	3.0 U	3.3 U	0.75 J
Styrene	0.439 U	2.6 U	2.9 U	90
Tetrachloroethene	0.828	7.5	4.6 U	3.9 U
Tetrahydrofuran	0.689	0.89 J	0.63 J	4.9
Toluene	2.99	3.4	5.4	30
trans-1,2-Dichloroethene	0.425 U	2.4 U	2.7 U	2.3 U
trans-1,3-Dichloropropene	0.492 U	2.8 U	3.1 U	2.6 U
Trichloroethene	0.571 U	3.3 U	3.6 U	3.1 U
Vinyl acetate	0.378 U	NA	NA	NA
Vinyl chloride	0.268 U	1.6 U	1.7 U	1.5 U

TABLE 4
LABORATORY ANALYTICAL RESULTS FOR ASBESTOS

Sample Id	Location	T	Pump No.	Time Start	Time Stop	Total (Min)	Pump Flow Rate (lpm)			Total Sample Volume (l)	Limit of Detection (f/cc)	Fiber Concentration	
							Initial	Final	Average			f/mm ²	f/cc
MLF-ABA-L01-010723	ABA Location 1	AA	G6	11:05	14:28	203	10.15	10.14	10.145	2059.4		No asbestos detected ¹	
MLF-ABA-L02-010723	ABA Location 2	AA	G2	11:40	14:40	180	10.10	9.71	9.905	1782.9		No asbestos detected ¹	
MLF-ABA-FB-010723	Field Blank	B	NA	NA	NA	0.0	NA	NA	0.0	0.0	NA	NA	NA
MLF-ABA-LB-010723	Lot Blank	B	NA	NA	NA	0.0	NA	NA	0.0	0.0	NA	NA	NA

Notes:

¹: Sample was overloaded with particulates and was unable to be analyzed using NIOSH Method 7402 to be reported as a phase contrast microscopy equivalent.

Sample was analyzed as an asbestos bulk sample using transmission electron microscopy to determine the presence or absence of asbestos.

AA: Area air sample

ABA: Asbestos air sample

FB: Field blank

f/cc: Fibers per cubic centimeter

f/mm²: Fibers per squared millimeter

Id: Identification

L##: Sample location

l: Liters

LB: Lot blank

lpm: Liters per minute

Min: Minutes

MLF: Moody Landfill Fire

mmddyy: month, day, year

NA: Not analyzed

NIOSH: National Institute for Occupational Safety and Health

No: Number

T: Type of sample